

Incident Risk Assessment Worksheet					1. Incident Name/Number Foss Lake Fire		2. Location USFS SUF Kawishiwi District				
Identification of Hazards and Risk Assessment					3. Name and Title of Analyst Doug Miedtke/Ron Guck, SOF2		4. Date Saturday, May 21, 2016				
5. Pre-Control					6. Control or Abatement Action (Engineering, Administrative, PPE, Avoidance, Education, etc)		7. Post-Control				
8. Location	9. Hazard	10. Hazard Probability	11. Severity Code	12. RAC	Actions (double-click in cell then click alt + enter to add a line)		13. Hazard Probability	14. Severity Code	15. RAC	16. Acceptable (Yes/No)	Export (Yes/No)
A,B,Y,Z	Chain Saw Operations	Frequently A	Catastrophic I	Critical	<ul style="list-style-type: none"> ~ Follow "Hazard Tree Safety" guidelines, IRPG page 22 ~ Look up, Look down, Look around for hazard tree indicators. ~ Only fell and buck trees within your expertise and training. ~ Follow "Procedural Felling Operations" on page 79 in IRPG. ~ Do not fall trees during high wind events. ~ Ensure proper use of all required PPE. 		Occasional C	Catastrophic I	Serious	Yes	Yes
A,B,Y,Z	Unburned Area/Reburn Potential	Likely B	Catastrophic I	Critical	<ul style="list-style-type: none"> ~ Monitor weather. ~ Base actions upon observed and predicted fire behavior. ~ LCES Checklist (IRPG pg. 7). ~ Look Up, Down and Around (IRPG pg. 3-4). ~ Staff lookouts at identified vantage points. ~ Establish human repeater as necessary. ~ Flag, time, improve/construct escape routes and safety zones. ~ Establish trigger points for disengagement/exit to safety zones. 		Occasional C	Critical II	Moderate	Yes	Yes
A,B,Y,Z	Snags, Blowdown timber	Frequently A	Critical II	Critical	<ul style="list-style-type: none"> ~ Stay alert for strong winds, bug-kill, rot or shallow-rooted trees, air operations turbulence ~ Scout, identify and flag hazards, drop dangerous trees near the line ~ Do go/no go assessment prior to falling 		Occasional C	Critical II	Moderate	Yes	Yes
All	Multiple aircraft	Occasional C	Catastrophic I	Serious	<ul style="list-style-type: none"> ~ Air Ops ensures that all personnel are briefed on daily tactics, planned use, safety hazards. ~ Maintain positive direction between Air Attack, lead plane pilot, assigned aircraft, and ground operations. ~ If confusion or conflicting priorities develop, STOP operations, until they can be safely continued. 		Rarely D	Catastrophic I	Moderate	Yes	Yes
All	Intruder Aircraft	Rarely D	Catastrophic I	Moderate	<ul style="list-style-type: none"> ~ Designated TFR airspace over the incident air operations area ~ Report airspace conflicts or intrusion immediately to Air Support ~ Curtail air operations, as needed, until airspace is clear 		Rarely D	Catastrophic I	Moderate	Yes	Yes
All	Helicopter and Airtanker Operations	Likely B	Critical II	Serious	<ul style="list-style-type: none"> ~ Ensure clear air-ground communications ~ Stay clear of flight zones and drop areas. ~ Watch out for rotor wash or air tanker turbulence and potentially erratic fire behavior ~ Keep heads up for snags and hazard trees. 		Occasional C	Critical II	Moderate	Yes	Yes
A,B,Y,Z	Spotting and torching	Likely B	Critical II	Serious	<ul style="list-style-type: none"> ~ Watch for smoldering fires picking up over large areas, trees torching inside of fireline, high sustained rate of spread, well-developed convection column, hotter/drier than forecast. ~ Patrol for spots especially after torching; Grid green areas ~ Post lookouts 		Occasional C	Critical II	Moderate	Yes	Yes
All	Driving & Traffic	Likely B	Catastrophic I	Critical	<ul style="list-style-type: none"> ~ Practice "Defensive Driving" techniques traveling on all roads and city streets. ~ Watch backing, use a spotter when available. ~ Follow Driving LCES (Lights, Chock blocks, Emergency brake, Seat belts). ~ Yield to pedestrians and bicycles. ~ Observe posted speed limits. ~ Use the 3 second rule for following distance when driving. ~ Avoid distractions (eating, cell phones, radio). ~ Ensure that windshields are kept clean of dust and bugs. 		Rarely D	Catastrophic I	Moderate	Yes	Yes
All	Water travel	Likely B	Catastrophic I	Critical	<ul style="list-style-type: none"> ~ Complete Water Safety Training before using boats and canoes ~ Use only qualified boat operators for motorized watercraft ~ Always wear PFDs ~ During high wind or waves, remain on land or if necessary travel near shore ~ Approach waves head-on or at a slight angle to avoid capsizing. ~ If you capsize, stay with the watercraft. 		Rarely D	Catastrophic I	Moderate	Yes	Yes
	Rough, Difficult Terrain	Frequently A	Significant III	Serious	<ul style="list-style-type: none"> ~ Identify/construct, flag and time escape routes and safety zones. ~ Identify safe routes and maintain 10 ft. spacing. ~ Wear proper fire boots in good condition to avoid slips and falls ~ Travel slowly and watch your step. ~ Be aware; Hard Vibram soles will easily slip on wet, mossy rocks. 		Likely B	Significant III	Moderate	Yes	Yes
	Bees, Ticks, Mosquitoes	Likely B	Critical II	Serious	<ul style="list-style-type: none"> ~ Canvas crew members for those with known allergic reactions to stings. ~ Ensure crew members have medication pens if needed. ~ Perform daily self inspection for ticks. ~ Use repellent as necessary. ~ Don't be afraid to ask for medical assistance for embedded ticks. 		Occasional C	Critical II	Moderate	Yes	Yes
	Fatigue & Over Exertion	Frequently A	Significant III	Serious	<ul style="list-style-type: none"> ~ Drink 1 quart of water each hour during and after work. ~ Set a reasonable work pace and allow adequate rest breaks while on the project. ~ Use buddy system to monitor personnel of heat related and fatigue issues. ~ Follow work / rest guidelines. 		Occasional C	Significant III	Minor	Yes	Yes
	Structure Protection	Occasional C	Critical II	Moderate	<ul style="list-style-type: none"> ~ Review "Wildland Urban Interface" Watch outs, IRPG page 12. ~ Use "Structure Assessment" checklist, IRPG pages 12-16. 		Occasional C	Significant III	Minor	Yes	Yes
All	Heat Related Illness (HRI)& Dehydration	Likely B	Significant III	Moderate	<ul style="list-style-type: none"> ~ Drink Fluids throughout operational period (6-8 qts/shift). ~ Maintain water/electrolyte ratio of 3 to 1. ~ Carry extra water on line and cache water at drop points. ~ Take frequent breaks, minimum of 10 minutes every hour. ~ Recognize symptoms of HEAT RELATED ILLNESS which include. <ul style="list-style-type: none"> o Lack of energy o Headaches, dizziness o Lack of rest o No hunger, poor eating habits o Hot skin, and lack of sweating 		Rarely D	Critical II	Minor	Yes	Yes